

A. CPR & First Aid

2018/0304 Syllabus GM

1.	CPR, Chain of Survival
2.	Cardiac Arrest and Life-threatening Arrhythmias
3.	Airway Management without Airway Devices
4.	Basic Life Support - Adults
5.	Basic & Advanced Life Support - Newborns, Infants & Children
6.	Advanced Life Support Adults
7.	Airway Management with Airway Devices
8.	Drugs for CPR & Routes of Drugs Administration
9.	Defibrillation, cardioversion, cardiostimulation
10.	First Aid in Near-drowning
11.	First Aid in Electrical Current Injury
12.	First Aid in Burn Trauma
13.	First Aid in Hyper- Hypothermia
14.	Cardiac Arrest in Pregnancy
15.	First Aid in Anaphylaxis
16.	Acute Poisoning - First Aid, Elimination methods.
17.	Specificity of In-hospital Cardiac Arrest, Rapid Response Teams
18.	Pre-hospital & In-hospital Transport of critically ill
19.	Ethical & Legal Issues of CPR & Intensive Care
20.	Emergency Services – Organisation, Personal & Technical Equipment

B. Anaesthesiology

1.	Pre-anaesthetic Evaluation & Preparation before Anaesthesia
2.	Premedication. Risk of Anaesthesia, Anaesthetic Chart
3.	Patient Monitoring During Anaesthesia
4.	Vascular Accesses, Indications, Complication, CVP measurement
5.	Inhalational Anaesthesia
6.	Intravenous Anaesthesia, Sedation
7.	Neuraxial Techniques of Regional Anaesthesia
8.	Peripheral Neural Blocks
9.	Local Anaesthetics Pharmacology, Toxic Reaction Treatment
10.	Anaesthesia for Day-Case Surgery
11.	Specificity of Paediatric Anaesthesia
12.	Specificity of Obstetric Anaesthesia & Analgesia
13.	Anaesthesia in Trauma Injuries
14.	Specificity of Cardioanaesthesia
15.	Cardiovascular Complications in General Anaesthesia
16.	Respiratory Complications in General Anaesthesia (regurgitation, aspiration).
17.	Acute Pain Treatment
18.	Chronic Pain Treatment
19.	Post-Anaesthesia Care in Recovery Room
20.	10 Remarkable Moments from History of A&ICM

C. Intensive Care Medicine

1.	Indications for Admission to ICU, Vital Function Failure
2.	Shock – Pathophysiology & Principles of Treatment
3.	Cardiogenic Shock. Causes, Diagnosis, Treatment. Acute Myocardial Infarction
4.	Hypovolemic Shock. Causes, Diagnosis, Treatment
5.	Distributive Shock. Causes, Diagnosis, Treatment. Anaphylactic Shock. Septic Shock
6.	Obstructive Shock. Causes, Diagnosis, Treatment. Acute Lung Embolism
7.	Oxygen Therapy & Inspiratory Gas Preparation
8.	Acute Respiratory Insufficiency, Pathophysiology. ARDS, COPD
9.	Artificial Lung Ventilation
10.	Systemic Inflammatory Response Syndrome, Sepsis, Guidelines
11.	Differential Diagnosis of Coma & Qualitative Cerebral functions Disturbances
12.	Taking Care about Comatose Patient Care
13.	Traumatic Brain Injury. Brain Oedema, Management of Intracranial Pressure
14.	Brain Death. Organ Donation. Transplant Programme. EOL Decisions.
15.	Acid-Base Balance & Fluids Disturbances
16.	Blood Losses Supplementation, Infusion Therapy
17.	Life-threatening Haemorrhage. Haemorrhagic Shock
18.	Patient Management with Multiple Injuries
19.	Parenteral & Enteral Nutrition
20.	Acute Kidney Injury, Elimination Methods